

Qy	738	AGCTATCATGTCGCTGACCCAAAGAGGCAATTGATTCGAAGGGAGAAAGCCGGAGGACCAA	797
Db	361	AGCTTATCATGTCGCTTACCCAAAGAGCGTTGATTAGAAAGAGAAAGCCACGAGGACGAA	420
Qy	798	ATCCGAGGCCGAAGCTTTTGAGGCACCTGCACGCCTCT	834
Db	421	ATCTGAGGCCGAAGCTTTTGAGAGATGCACCATCTTT	457

RESULT 8	AI600977/C	AI600977	422 bp	mRNA	linear	EST 21-APR-1999
LOCUS		U860772.x1	486	-	leaf primordia	cdna library from Hake lab Zea
DEFINITION					mays cDNA, mRNA sequence.	

ACCESSION	AI600977	
VERSION	AI600977.1	GI:4610138
KEYWORDS	EST.	
SOURCE	Zea mays.	
ORGANISM	Zea mays	
REFERENCE	Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACC clade; Panicoideae; Andropogoneae; Zea. 1 (bases 1 to 422)	

**TITLE** Maize ESTs from various cDNA libraries sequenced at Stanford University

Unpublished (1999)  
Contact: Walbot V  
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Stanford University  
855 California Ave, Palo Alto, CA 94304, USA  
Tel: 650 723 2227  
Fax: 650 725 8221  
Email: walbot@stanford.edu  
Plate: 486077 row: F column: 12.

FEATURES	source
Location/Qualifiers	
1. .422	
/organism="zea mays"	
/cultivar="B73"	
/db_xref="taxon:4577"	
/clone_lib="486 + leaf primordia cDNA library from Hake lab"	
/tissue_type="leaf primordia"	
/dev_stage="P7-P11 leaf"	
/lab_host="E.coli XL1-Blue MFR"	
/note="Organ: shoot; Vector: Lambda zap; Hake lab cDNA library."	
109 a	110 c 79 g 124 t
BASE COUNT	
ORIGIN	

Query Match 34.1%; Score 398.6; DB 9; Length 422;  
Best Local Similarity 99.0%; Pred. NO. 1 4e-72.

Matches	401;	Conservative	0;	Mismatches	4;	Indels	0;	Gaps	0;
663	TG	TATGTGATCGAGAGCCCATCTCGGCACGGTGTCGGGTTTCGTACCGAGCGCATGT	722						
422	TG	TATGTGATCGAGAGCCCATCTCGGCACGGTGTCGGGTTTCGTACCGAGCGCATGT	363						
723	TC	ACAGCGCAAGGAGAGCTTATCATGTCTGCTGACCCAGAGGCGATTGTTTCGAGGGGAGA	782						
362	TC	ACAGCGCAAGGAGAGCTTATCATGTCTGCTGACCCAGAGGCGATTGTTTCGAGGGGAGA	303						
783	AG	CGCGGAGGACCAAAATCCGAGGCCGAAGCTTTTGAGGCACCTGTACAGCGCTCTGCAGTCGA	842						
302	AG	CGCGGAGGACCAAAATCCGAGGCCGAAGCTTTTGAGGCACCTGTACAGCGCTCTGCAGTCGA	243						
843	CT	GTAGAGGATCCCAACCGAGCTTTGAGAGCGGCACCATCTTCTTCTTAATTTGGTTTA	902						
242	CT	GTAGAGGATCCCAACCGAGCTTTGAGAGCGGCACCATCTTCTTCTTAATTTGGTTTA	183						
903	GAT	ATTTTATGAATTCACAAAATAATATAGAAATATCAACGCTATATAAGATCTCAAGT	962						

Db	182	GATATTATGAAATTCACAACAAAATATAGAAATCAAGCAGTATATAAAGATCTCAAGT	123
Qy	963	CAAACTTAACATTTTTTTTTCATTTCTCCGATGATTTCTATTGTTTGGTGTGTGTG	1022
Db	122	CAAACTTAACATTTTTTTTTCATTTCTCCGATGATTTCTATTGTTTGGTGTGTGTG	63
Qy	1023	GTTCGAGGGGTATTGGAACGGGAACGGAGCGGAGGGTTCGATA	1067
Db	62	GTTCGAGGGGTATTGGAACGGAGGGCGAGGCGAGGCGCTTTAATA	18

[illegible]

AUTHORS	Walbot V. & C. S. 3557
TITLE	Maize ESTs from various cDNA libraries sequenced at Stanford University
JOURNAL	Unpublished (1999)
COMMENT	Contact: Walbot V Department of Biological Sciences Stanford University 855 California Ave, Palo Alto, CA 94304, USA Tel: 650 723 2227 Fax: 650 725 8221

```

FEATURES
source
Email: walbot@stanford.edu
Plate: 660056 row: D column: 01.
Location/Qualifiers
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/organism="zea mays"
/cultivar="Ohio43"
/db_xref="taxon:4577"
/clone_lib="660 - Mixed stages of anther and pollen"
/tissue_type="whole premeiotic anthers to pollen shed"
/dev_stage="premeiotic anthers to pollen shed"
/lab_host="XL0LR"
/note="Organ: Anthers; Vector: Lambda zap; Site_1: EcoRI;
Site_2: XhoI; Anther and pollen cDNA library.
Directionally sequenced with 5' end at the EcoRI site.
Created by Anie Franklin."

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ORIGIN	BASE COUNT	175 a	123 c	133 g	157 t	
Query Match	33.78;	Score	394.2;	DB	10;	Length 588;
Best Local Similarity	98.08;	Pred. No. le-71;				
Matches 399;	Conservative	0;	Mismatches	8;	Indels	0; Gaps 0;
60	CGGCACGAGACGTGTTGATTGCTCTAAAAATGGTGCATAGTTTGGCATGCAATTTTCTTCG	119				
182	CAGCATCCAAGACTGTTGATTGCTCTAAAAATGGTGCATAGTTTGGCATGCAATTTTCTTCG	241				
120	TTGCTGGAGACATATACATACCGATATATATATACAGTTTCATCGGGCACGTGATGGATCCA	179				
242	TTGCTGGAGACAAATAACATACCGATATATATATACAGTTTCATCGGGCACGTGATGGGTCCA	301				
180	GC TT TTG CCA CAG AAAAAG TGG AGG CAA AAG CAG AAG GGC CT TAG TTG AT TC ACC TTG AT TG	239				
302	GC TT TTG CCA CAG AAAAAG TGG AGG CAA AAG CAG AAG GGC CT TAG TTG AT TC ACC TTG AT TG	361				
240	CTTCTTTTCC AAG AAG AAG TGG GTTTT TG AGC ATC AAG CT GCG AAATCAT GCT GAT GTTC	299				
362	CTTCTTTTCC AAG AAG AAG TGG GTTTT TG AGC ATC AAG CT GCG AAATCAT GCT GAT GTTC	421				

# IDENTIFIERS

dbEST Id: 2419524  
 EST name: 486077.F12.x1  
 GenBank Acc: AI600977  
 GenBank gi: 4610138

## CLONE INFO

Plate: 486077 Row: F Column: 12  
 DNA type: cDNA

## PRIMERS

PolyA Tail: Unknown

## SEQUENCE

TTTTTTTTTTTTTTTTTTTATTAAACCCTCCGCCTCCGCCTCCGCTTCCAATACCCCTCCA  
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 TCTAAACCAAATTAAAAGAAAGGATGGTGCGCCTCTCAAAGCTCGGTTGGGATCCTCTAC  
 AGTCGACTGCATAGGCTGTGAGGTGCCTCAAAGCTTCGGCCTCGGATTTGGTCCTCGCGG  
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 CA

Entry Created: Apr 13 1999  
 Last Updated: Apr 21 1999

## LIBRARY

dbEST lib id: 1622  
 Lib Name: 486 - leaf primordia cDNA library from Hake lab  
 Organism: Zea mays  
 Cultivar: B73  
 Organ: shoot  
 Tissue type: leaf primordia  
 Develop. stage: P7-P11 leaf  
 Lab host: E.coli XL1-Blue MFR'  
 Vector: Lambda zap  
 Description: Hake lab cDNA library.

## SUBMITTER

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## CITATIONS

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 Authors: Walbot, V.  
 Year: 1999  
 Status: Unpublished